

ABSTRACT OF THE DISCLOSURE

A non-contact type liquid level sensor includes a sensor housing; a rotary shaft, rotatably mounted on the sensor housing; a float, vertically movable with a change of a liquid level; a float arm, having a first end mounted on the float, and a second end coupled to the rotary shaft such that the rotary shaft is rotated with a vertical movement of the float; an annular magnet, coupled to the rotary shaft, and rotating together with the rotary shaft; a pair of arcuate stators, disposed in the sensor housing so as to confront an outer peripheral surface of the magnet; and a magnetoelectric transducing element, disposed between the first ends of the stators, for detecting a change of a magnetic flux density in the stators, which is caused by a turn of the magnet, and for converting the detected change of the magnetic flux density into an electrical signal. Second ends of the stators are spaced from each other to form a gap having an opening angle within a range from 50° to 200°.